A SHORTE Discourse of the most rare and excellent vertue of Nitre:

Wherein is declared the sondrie and diuerse cures by the same effected, and how it may be as well receiued in medicine inwardly as outwardly plaisterwise applied: seruing to the vse and commoditie as well of the meaner people as of the delicater sorte.

Eccles. 38. 4.

The Lord hath created medicines of the earth, and he that is wise will not abhorre them.

IMPRINTED at London by Gerald Dewes, dwelling in Paules churchyearde at the signe of the Swanne.

BRITISH
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The Printer to the Reader.

I Haue aduentured (gentle Reader) for thy behoofe, to print this ſmall treatiſe touching the faculties and qualities of Nitre, whoſe vertue (being ſuch as our authour auoucheth) may bring to all which ſtand in neede thereof no ſmall eaſe, & commodity: the medicines are not verie harde to be made or compounded, nor ouer coſtlie to be procured, but how commodious and effectual, I leaue to the learned, and to ſuch, as by proofe haue had, or may haue profit thereby. Thus omitting to commend that (which I hope will commende it ſelfe ſufficientlie) I ende nothing doubting but that all thoſe

which receiue commoditie and eaſe by others trauailes and labours, will not be vnthankefull for the ſame but vſe them to Gods glorie.

Thine at his ſmall power.

A. D.

BRITISH MUSEUM

A COPIE OF A DISCOVRSE VVRITTEN FROM THE ISLE OF LAMBY ON THE

the East coaſte of Ireland, by Thomas Chaloner gent. vnto his coſen Iohn Napper Apothecarie dwelling at the ſigne of the Ewe and the golden Lambe ouer againſt Soper lane ende in cheepe ſide at London, touching the qualitie and facultie of *Nitre*. The example whereof he ſent vnto him with that letter.

WITH my hartie commendations beloued coſen: in performance of my promiſe (although not ſo ſone as you looked for): I do ſend vnto you herewith by this bearer, ſome Nitre onwards. And as you ſhall like thereof, I ſhalbe willing to furniſh you accordingly. Not doubting that you ſhall finde it a marchandize as auailleable & gainfull, as anie drugge of groſſe quantitie that you ſhall haue to do with, ſo manie waies commodious is it, to the vſe aſwell of the meaner people, as of the delicater ſort.

THis Nitre is (as you may perciue) a iuice thickned by growing together, and hardned by congelation, in forme and apparance like vnto tranſparent Alome, Salgemme, or Borace. And (in deede) ſuch ſort of it as is growen together in the earth and hardned into a ſtonie ſubſtance by long abyding ſo, and at the laſt is digged vp and brought into Chriſtian regions out of Egypt, Armenie, Turkie, Barbarie, and other far countries comming

to the hands of the Boyace makers vnpure, and by them refyned, is the principall substance and matter, of which they doe make the Boyace wherewith the Goldsmythes doe solder their woykes of gold and of siluer: And the Battriesmythes their copper pannes. A drugge so rare and precious, as by the great price and small plentie thereof, is knowen vnto you. Neither commeth this Nitre (which I doe sende vnto you) otherwise to be had in quãtitie for our countrie to haue the vse and commodie thereof, but by my fathers industrie and meanes. And yet his good minde vnto his natiue countrie is such, as to procure it so reasonably cheape, that the poorer sort be not barred the benefit of so necessary and so great a commoditie, for the excessiuenes of the price.

What I haue heard him define and discourse of the complexion, nature, and excellent facultie, and manyfold vse, of this Nitre: (gathered partly of good authours, and partely of his owne experience and of reason) I will impart vnto you, cosen, so well as my memory hath serued me to note: To your selfe I meane. For if (by your shewing this my letter for commendation of the matter) the learned, or others (in proofe thereof) reprone my report, I must excuse me to haue not so perfectlie borne a waie his speaches thereof, as he deliuered them. Neither did he to other ende impart it vnto me, but for mine owne instruction: knowing how sufficiently the learned (vpon the sight and taste of this Nitre) can define and set downe what it is, and howe to vse it. And fittest for their censure and iudgement, charitablie to publish & recommend the fittest vse and fruition thereof, to the publicke commoditie.

The smack thereof (being at the first tast vnto the tongue, sowre sharpe, then moderatelie bitter, and lastlie a little rancke in the swallowing) argueth therein a mixture of a watrie substance, altred and maistred by coldnes beyond the first degree (formallie rather then effectually) whereon an externe heate hath out breathed whatsoeuer natiue heate was therein: Leauing yet the pricking sharpnes that was in that watrie altered substance, which perceth the tongue, and therewith

with also mixed an earthie dzie substance, ouermaistred and subtiliated by a smoothering heate, (partely beyonde the first degree, causing the rankenes & leuened Nitrositie: and partelie adusted by a fierie heate vnto the middle of the seconde degree, causing bitternes:) which bitternes being of moze foꝛce, effecteth the tast moze stroꝛgly thē the ranke Nitrositie. So as vntill the smacke of bitternes be passed, the ranknes is not perceiued. By mixture of which passiue substances, earth, and water, the action and leauening of putrefactiue heate, hath caused in that rancke Nitrositie, an oilie and gummie substance aiery. The fattenes and oylliones whereof, together with the aforesaide watrie substance (out of the which the natiue heate first hath bene euapozated by an externe heate, and then altred and maistred by coldnes, so surmounteth the dzie, adust, earthy, subtile parte therof, as sufficeth it not to fuzze noꝛ enflame, noꝛ be set on fire, (as Saltpeter will) noꝛ to sparke (as salt will) by reason the watrie substance is so maistred with the oylie airie substāce, neither is it salt as Saltpeter is. Foꝛ, as foꝛ the the tast of saltnes (which was elsealso perceiued in that soꝛt of Nitre that commeth from Armenie, aswell as also that fine meale oꝛ flower of Nitre called Aphrō Nitron) this Nitre hath thereof litle oꝛ nothing at all. Bycause (what saltnes it had of it selfe) is separated from it in the refyning. And foꝛ the oylines oꝛ fattenes stil abyding with it, vnles it be consumed by further burning artificiall, it hath not yet that purchased saltnes.

The colour of this Nitre is (as you may see) onelie white, by reason of the refineing. And so not of colour blacke, oꝛ russet, as is the natiue oꝛ vnpurified Nitre mixed with the sotle of the earth oꝛ slimie pittes oꝛ slowghes out of the which it is digged oꝛ gathered.

So in faculty this Nitre hath no astringēce (which, you wot, meaneth in our English tongue, shꝛiueling, oꝛ shutting of the pooꝛes oꝛ swetholes of the skinne) as that other salter Nitre hath. But it hath faculties and vertues of entring, and percing, and sufficiently warming and heating, suppling, ra-

rifying, opening, enlarging, vnstopping, deuiding, resoluing, spredding, disperſing, extenuating, euaporing, emptying, discombring, and effectually wyping, clenſing, and skowringe, without smarting, fretting, or excoriation as hath the other sharper or salter Nitre. To you coſen, that doe vnderſtand theſe vſuall termes concerning theſe faculties and vertues, I recite them as of ordinarie they be termed. Neuertheles this refined Nitre (with artificiall burning) shall also purchase more subtility and aduste qualitie. Whereby it shall be the more percing, heating, resoluing, wasting, and drying. And with bay salt or alume added, or elſe with any other medicine astrictiue, hot or cold as shalbe requiſite, it shall also be be accompanied with that facultie, wherewith the sinewes or other partes, which by loosenes or slacknes are weake, shalbe fastened & kept in their due tightenes and strength.

The preparation of this Nitre vnto more ſubtilitie, ſharpenes, drines and heat, is after three ſortes enſuing.

SPread this Nitre thinne in a platter of glased earth or of pewter. So set it in the hoat Sunne, and attend it vntill it be parched white and not molten, and so it will come into fine white poulder or floure as Aphron Nitrō. And hereby getteth it somewhat more subtilenes and leſſe gummines, and may be named puryfied Alphron Nitron.

The ſecond waie.

GEt a new earthen pot glased within, & fitted with a couer (to close it, that no asches come therein) having such an handel as thereby with your tongues or pliers you may (when it is in your firie furnaice) take of the couer, to looke into your pot, and againe at your pleasure couer it.

Fill

Fill that pot halfe full with this Nitre. And set that pot with the Nitre therein and the couer thereon in a wide fornace for this purpose, raised with two walles on either side a foote high from the ground, left open through betweene those two sides before and behind. Grate that ouerthwarte with barres of iron, ech barre a finger widenes from other, and theron aboue those barres aswell before as behinde, as also one eche side, wall it vppe square halfe a yarde more of height. And let the widenes of the furneys within, be such, as your pot being set in the middest of your fornace may haue roome on euerie side of your fornace halfe a foote: not forgetting to trauers your fornace within, with two sufficient barres whereon to place your pot halfe a foote aboue your foresaide yron grate: and that you haue to couer the vpper mouth of your fornace with tiles, bricke, or yron plates, to be couched vppon yron roddes or barres, loose and remoueable for the purpose. These thinges thus reddie, fill your fornace with deade charcoales, first halfe a foote heigth from the grate. Then place your pot vpon the two barres in the middest of your fornace: hauing your pot (as aforesaide) halfe full of Nitre, and couering your pot with the couer fitted for it, poure in more dead charcoales to fill the voide roome on euerie side about your pot, vp as high about your pot, as your Nitre filleth your pot within, and somewhat more. Then kindle your charcoales leisurely beneath and aboue: closing the foreparte and hinder part of the vent vnder the grate, with loose brickes or tyles, so as the winde vnder, come not vp too vehement at the first. But that your pot take heat by litle and litle encreasing. And it were not amisse that your pot were emptie (but yet couered) vntill the coales be all fiered, and your pot nealed red hot. And then to put in your Nitre vnto the halfe fulnes of your pot (as aforesaide) and so couer your pot, and also the vpper mouth of your fornace, with the couers thereto prepared. So yet, as there is vent-hoales left, one at euerie corner, and one in the middest. And then pul away the closure of your neather vents vnder the grate of your fornace, that the fire may

haue ful quickning by the grate: And as the experience of the worke wil teach you) suffer your Nitre to melt & dry vp & toste, so farforth as the colour become black & not yet white againe. Then take vp your pot, first aboue your coales, with plying tongues or hooks fit for you purpose: Then higher vpon the vpper barres of your furneys: And last lit vpon hoat ashes, and scrape out your Nitre with a faire yron ladle fit thereto, and braie it into fine poulder, and reserue it. It hath then, lesser moysture and gummines, & more subtilitie, and more heating and drying facultie, then the first way aforesaide.

The thirde way of more Calcination to make this Nitre, yet more sharpe and subtile, then the other two waies aforesaide.

VSing the selfe same way last afore prescribed: when this Nitre hath taken such heat, as the melting and heauing thereof hath ceased, and that your Nitre is dried and burned beyond blacke collour, and become againe perfit collour: vse it as is aforesaide in withdrawing it from the fire. And after that it is taken out of your pot, bray it lightlie, and reserue it to vse: Equiualent vnto Nitre called Bawrak of Armenie: howbeit not astrictiue without mixture of astrictiue medicines as aforesaide.

By the which aforesaide complexion. qualitie and faculties: this Nitre hath (aswell otherwise as in medicine) the manifolde and sundrie operations and vertues, particularly (for example) declared hereafter, besids a great many moe then I set forth.

Outward remedies to fordoe foulenes and diseases of the skinne: as tawnie steynings, Sunneburning

ning, freckles, duskines, iaundises, yellow, greene, and blacke, whcates and white welks, bolerick, melancholicke, & flegmatike euaporations, ill colour or complexion by ſicknes called Atrophe, which commeth of ill conuertion and aſsimilation of the nouriſhment: and to reſtoore the skinne and complexion to the natiue bewtie. Alſo to remoue and fordoe, skurffe, dandruffe, skales, skalles, ſcabbes, pimples, pushes, maunge, ringewormes, tetters, byles, buttons, drie lepries, and ſuch effectes.

FIrſt that (that for thoſe purpoſes) of antiquitie, Nitre aſwell as Aphron Nitre, and Bawrak, hath bene (of ordinarie vſe in Baines and hot houſes) diſſolued in warmed water, or in warmed lie made of the aſhes of vine-thredes or of roſyers, or of ſweete bryers, or of brãbles, or of willowes, or of roſemarie, or of ſage, or of hyſope, or of lauender, or of thyme, or of bayes, or of ſuch like, or elſe in a yonge boy chiides bryne vndiſtilled; or rather diſtilled: or elſe in vinegre, or rather in diſtilled vinegre, or in iuyces of verie ſowre Orrẽges, or rather in iuyces of lymmõs, or elſe diſſolued with clarified white honie, and (after three dayes ſeaſoning) laide on by night, or elſe in like ſorte diſſolued with hennes greace, or capons greace, or ſwannes greace: or ſples of ſweete almondes & of bittre almondes, (three or foure dayes afore mixed and ſeaſoned together) I ſay with anie of thoſe liquours or iuycees, laid on at night, and waſhed of in the morning with roſewater, or with water of beane flowers, or with the cleare broth of barlie meale, of wheate branne and mallowe rootes: (*For to ſcoure and clenſe the heare, the face, the skinne, and the reſt of the bodie, from rankenes of ſmell, and from fumo-*

haue ful quickning by the grate: And as the experience of the worke wil teach you) suffer your Nitre to melt & dry vp & toast, so farforth as the colour become black & not yet white againe. Then take vp your pot, first aboue your coales, with plying tongues or hooks fit for you purpose: Then higher vpon the vpper barres of your furneys: And last lit vpon hoat ashes, and scrape out your Nitre with a faire yron ladle fit thereto, and braie it into fine poulder, and reserue it. It hath then, lesser moysture and gumminес, & more subtilitie, and more heating and drying facultie, then the first way aforesaide.

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FIrst that (that for those purposes) of antiquitie, Nitre aswell as Aphron Nitre, and Bawrak, hath bene (of ordinarie vse in Baines and hot houses) dissolued in warmed water, or in warmed lie made of the ashes of vinestreddes or of rosyers, or of sweete bryers, or of brãbles, or of willowes, or of rosemarie, or of sage, or of hyssope, or of lauender, or of thyme, or of bayes, or of such like, or else in a yonge boy chyldes bryne vndistilled; or rather distilled: or else in vinegre, or rather in distilled vinegre, or in iuyces of verie sowre Orrẽges, or rather in iuyces of lymmõs, or else dissolued with clarified white honie, and (after three dayes seasoning) laide on by night, or else in like sorte dissolued with hennes greace, or capons greace, or swannes greace: or sples of sweete almondes & of bittre almondes, (three or foure dayes afore mixed and seasoned together) I say with anie of those liquours or iuycees, laid on at night, and washed of in the morning with rosewater, or with water of beaneflowers, or with the cleare broth of barlie meale, of wheate brannc and niallowe rootes: (*For to scoure and clense the heare, the face, the skinne, and the rest of the bodie, from rankenes of smell, and from fumo-*

ſuies, ſweate, ſoyle, ſteyning and dusknes of the skinne, and to fordoe freckles, ſpottings, tawnynes, Sunneburning, morphewes, iaundizes, diſcolorings, ſcurffe, dandruffe, ſcales, ſcalles, ſcabbes, maunge, pushes, pymples, ringewormes, tetters, roughnes, and all ſuch deformities and affectes of the skinne) it is touched by manie auncient authours, inſomuch as (amongeſt others) S. Jerome in an Epiſtle to a Gentlewoman, ſaith: Although thou waſh thy ſkinne with Nitre, and rubbe it neuer ſomuch with the herbe called Bawzak or Bowzik, what auayleth it, if yet thou remaine filthie with ſinne?

And to thoſe purpoſes alſo, ſome doe diſſolue Nitre in diſtilled whaye, or in diſtilled Goates milke: or elſe doe temper it with the brooth and fatnes of figges: or elſe with the fine meale of the knottes of the rootes of Aaron called cuckow pyntle, or the knottes of rootes of ſerpentine called dzagon or ſnakegraſſe: nine times ſooked in roſewater and eche time dzyed by the Sunne or ouer a ſooking fire: or with meale of lupynes: or or with oyle of bitter almondes, and lay it on all night, and on the mozning waſh it of, as afozeſaide.

But if thoſe affectes be deepe rooted, and doe require ſtronger ſcouring out: Then put oken aſhes, and vnquenched lyme, in a meiſhing tubbe, the one cowched by courſe vpon the other by ſeuerall layes or couches, beginning at the nethermoſt with the aſhes and leauing vppermoſt with the aſhes. Then poure therein hoat water, or rather the warmed vzine of yong boy chilozen, in quantitie ſufficient (to wit) ſo much licour, as the aſhes and lime will receiue, to be but filled with the licoure to the vpper aſhes. And if you take yong boy childes vzine, it may be had at the ſchooles, ſetting veſſelles for that purpoſe. Then (after ſufficient ſteeping with the aſhes and lime) boyle that miſture together, and laſtelie draine and let runne the lie into a receiuing veſſell, and let it ſettle to become cleare, and then (by a ſpygget ſomewhat higher thē the groundes ſettled) dzaw the cleare lye from the troubled groundes, and boyle that cleare lye downe againe vnto ſuch waſting and ſtrength, that it can beare an egge. Then diſtill it into a limbeck (if you will)

and put by, the weaker licour which droppeth first, & reserue for your purpose the strongest licour that distilleth the first weaker water: And vnto so much of that strong distilled water, or else vnto the strong Lye it selfe vndistilled (so much as will couer the bottom of an earthen boyling pipking, or skillet well glased within, and fitted with a couer of the same stuffe, and so set ouer a soft fire of wood coales) melt therein, for euerie pinte of that strong distilled water, or strong Lye, two pound weight of cholen Sope not ranke nor stinking. And thē cast thereto by little and little, twise so much weight of Nitre as your sope weyed) and as the Nitre is all dissolued therein, boile them altogether to the wasting of the said distilled water or licour of Lie. Foreseeing that your boylyng vessell be but a third part full of them all, least they fome ouer.

This done, take it from the fire, and sturre it still with a sticke or splatter vntill it become colde and stiffe. Then forme your stuffe into flat pellets or small round balles: and put thē on a fayre boorde to drie and to harden in the winde and shadowe, and reserue them to wet (at sundrie times as you shall neede) with iuyce of lymondes or of soure Orenges, or with distilled vynegre, or with distilled vrine of yong boy children, or with the flewgme water of distilled wine. And with the slyme of one of those pellets or balles so moilled, rubbe the staynings or spottes of the skinne, suffering it to lie on a reasonable space: And then wash it of with broath of barlie floure, or of wheate brianne boyled with stamped rootes of mallowes, or with distilled water of the codders and flowers of beanes, or of roses, or of whaye distilled.

And to the selfe same purpose is succinctlie taught by Galene. To take (as aforesaide) to partes of Nitre and one parte of Sope, tempred with sufficiēt quātity of strong Sope Lye cal. Capitellam, and of make them into trochiskes or pellettes to be dryed and reserued to be vsed as aforesaide. *And this outward medicine is for effectes of the skinne, of harde remouing.*

An other waie more delicate, and for tender skin.

which leysurely remoueth such affectes, and also doth smooth and bewtifie the skinne.

STeepe cholen Gumme Tragacanthe of the pureſt and whiteſt a night and a daie in roſewater, then put thereto of this Nitre, and a curteſie of Camphere. And ſeaſon and incorporate them together, and by night laye it on, and waſh it of in the morning as aforeſaide.

Another for the ſame, of ſtronger effect.

TAke cholen Gumme Tragacanth, of the whyteſt and pureſt, one portion, diſtilled roſewater, or rather ſtrōg vinegre diſtilled with red roſes either freſhe or drie, thriſe or foure times ſo much as the weight of the Gumme, & therein ſteepe your gumme vntill it ſoften and diſſolue therein: Adde fine poulder of the knottes of Aaron rootes, or of Dragon rootes, ſeauen times looked in roſewater, and euery time dryed againe by the Sunne: Alſo fine poulder of ſweete yreos roote: And fine flowre of Rice: of euerie of thoſe three, aſmuch as the weight of your Gumme. Then put ſo much Nitre as your gumme and rootes and riſeflowre (altogether) weyed, and ouer a ſoft fire, mixe and temper them together: alwayes ſtirring them vntill the Nitre melte, and that the compound laſtlie (after waſhing of the ouerplus of the roſewater) be apte to become ſtiffe (which ſhall be knowne by proofe of a droppe let fall on a marble ſtone to coole: if being colde it become ſtiffe) thē ſprinckling into your mixture a curteſie of Camphere, and ſo mixing that with ſtirring, take it from the fire, and ſtill ſtirre your mixture vntill it become colde and ſtiffe.

So forme it into waſhing balles, and dry them in the winde and ſhadow, not forgetting (at the firſt) to diſſolue a curteſie of muſke, ciuet, and Ambergreyce, in your aforeſaid roſewater, or diſtilled roſeuinegre for the more pleaſauntnes of the ſmell. Howbeit that the roſewater, and the yreos roote, of them

themselues, are sufficient of pleasaunt odour. And whereas Gumme Tragacanth (either for deerenes or for scarcitie shalbe forborne) there, the slime of the harebell roote, otherwise called Ierubell or Hiacynthus, may serue in steede of that gumme.

The vse of those balles, is to moist one of them at night in warmed rosewater, or in warmed water of the floures and coddes of beanes, or (for more effect) in distilled stronge vinegre rosate, or in iuyces of distilled lymoones, or of sowre orenges distilled and purified by the feltre: And at going to bedde, smeere the affected places of the skinne, yea, and ouer all the face, with the slime of your moysted ball, suffring it to lye one all night, or lesse space, as the medicine to the tendernesse of the skinne is tolerable. And then alwayes washe and skoure it of with some of the waters aforesaide. These balles in hotter water, may serue to wash & scoure the bearde, the face and the heares of the heade, in steede of sope-balles odorate.

A lotion of washing to fordoe ringe-wormes, and tetters.

TAke of Nitre 3. dragmes, of common salt one dragme, of distilled water of the rootes of foure-dockes foure ounces, of vinegre of squilla one ounce, dissolue and and mixt them togeather: And ech time of the vse of them (being warmed and well mixed) moisten a cloth or sponge therein and rub therewith the places affected.

An oyntment or plaister to foredoe harde knobbes, buttons, or cornes whereseuer they bein the face, or other partes of the skinne.

TAke Nitre, Salgemme, or digged salte, leaues and tender croppes of hyssope, and penyrioll, of eche a like por-

tion; Braie them fine and soft, and ouer a moderate fire encorporate them in Cerate rosate. The receipte thereof I neede not to receite vnto you (coseu) that are an Apothecarie, and apply it to the place affected.

An other oyntment for the saine.

TAke Nitre, Alume de plume, seedes of Basill or Dcymum, leaues and tender toppes of greene penyroiall, and Costus Indiane, of eche a like portion: Bray them soft and fine, & ouer a soft fire mixe them with hennes greace, or capons greace, or swannes greace, or ducks greace, and anoynt the places affected.

An other oyntment to fordoe the buttons of lepree faces.

TAke burned Nitre, burned alume, & calcined Tartar, of ech one ounce & a halfe, browne yellow Litarge, and the ingredience of the vnguent citrine (which I neede not receite to you chosen being an Apothecarie) of ech foure ounces, of Ceruce washed, two ounces of iuyces of Lymonds, of rootes of Enula campana, of the rootes of Soure-docke, of rootes of Cyclamine, and rootes of Dragon or serpentine. And rootes of Aaron or cuccow pyntell, of euerie of them (as often infuzed in rosewater and dryed againe in the Same as afore described) fiue ounces. vinegre of squilla, water of plantine, water of purcelane, of eche three ounces, and of oyle of complete roses, a pinte, vse them according to your art, and encorporate them togeather, and therewith annoint the place affected.

To mundifie and heale vlcers in the face.

TAke Nitre, and ouer a soft fire (and in an emptie vessell set within an other vessell full of boyling water) dissolue it with

with honie and cowes mylke, and annoinct the vlcers there with.

An experte oyntment for cure of maunge, ringe-wormes, scabbes, and eating soores.

TAke Nitre, brymestone, and Maiorane, otherwise called Margerome, of eche a dragme, beate and sifte the Nitre and brimestone into fine poulder, and braye the Maiorane fine and soft, mixe them, and temper them with oyle rosate, and therewith annoint the places affected.

A linement or enoynting, effectuallie good against Itche, and breaking out of all the bodie.

MElte Nitre and brimestome together which (being colde) commeth to be harde as a stone, braie that againe into fine poulder, and with greace make a saluc, or smeering for the purpose aforesaide, or elle bathe it on with yong boy childes wine, or with the broath of meale of lupynes and wheate branne.

A lotion or washing for the same.

TAke the fine poulders of Nitre and of sulphure vive, or elle of sulphur commune, boyled together, with brused sorell rootes in vinegre, and with a cloath or spunge, dipped in that licoure, rub the places affected, or elle cut a Lymond or sowre Orenge by halfe ouerthwarte, and thereon bestowe of that licoure with those poulders, and with the innerside of one of those halfe Lymonds or Orenges, rubbe the places affected. Or elle take the foresaide poulders of Nitre and brymestone molten together, and with a ponge boy childes wine, or with broath of meale of lupines and of wheaten branne, or with wine (mixed warme) dippe therein a sponge, and bathe and soke the places affected.

In

In like manner, mixe Nitre with vinegre distilled or vndistilled, or with iuyce of lymondes or of sowre Orenges, or put the poulder of Nitre on the moyst inward part of lymons, or cyterone or sowre Oranges cut ouerthwart, and rubbe the places affected with the iuyce. *In like maner*, bruse and steepe Nitre and salt, in vertioyce of vynes or of crabbes, and laie one the places affected with Itche, or with Tetters or ringewormes or pushes or pimples new come out.

An effectuall plaister and lotion or washing for the Affectes aforesaide.

MIxe Nitre with a yonge boy childes vrine, and with a pestell of fine red copper bray and fret them long together in a morter of fine red copper, set & contynued ouer hoat ashes made hoat by fire or ouer hoat sande, or the hoat Sunne, vntill the mixture doe become thicke, and then so taken out, and put in an earthen glased platter and dryed in the Sunne or ouer hoat sande (still turning it ouer and ouer with a splatter) vntill it come like to small wormes or at least vntill it be made into fine poulder, and when you will vse it, mixe it with Therebyntine, and applie it in plaister to the affectes aforesaide.

It cureth pushes called surfetters, skurvie & scalie drie leprees, and filthie mangines, and all such breaking out: Applying it on by night, and one the morning wyping it of with a sponge dipped in warme barelie broath, or warmed broath of wheaten branne boyled with bruled rootes of mallowes, and the place washed after with rosewater, or with water of flowres and coddes of beanes, or such like.

The same emplaister or washing. Applyed to the forehead and swolne browes, doth remedie the swolne browes. Take heede to winke while it is in laying on, and also while it is in washing of, least the sharpenes of the medicine it selfe (or mixed with the broath) doe smarte and fret the eyes.

A lotion

A lotion or lyniement for bringing out, and for outwarde healing of the small pockes, measelles, wheatkes, and pushes.

MIxe Nitre with iuyces of Hyssope, Marigoldes, & Camomell, and therewith temper oyle of bitter almondes, and with the lyniment enoint the skinne, or elle burne Nitre white (as aforesaide) and quence it hoate in rough tasted wine, then temper it with oyle of bitter almondes, and anoint the bodie after bayne.

For healing and sealing vp of rank lepree breaking out.

TEmpre Nitre with vittriol, and with viridæ Æris called verdegres or greene canker of copper or brasse, and laye it one the places affected. *This (if it were with licour or greace, or oyle or gumme) aggreeth verie neere with that working of* Nitre *in a copper morter, as aforsaide.* But either of them are to be washed of with decoction of wheate branne boiled with brused mallowe rootes and afterwardes with rosewater, or other waters of delaying and claryfying facultie.

For opening, riping, drawing and mundifying of carbuncles sores, and for cure of suspecte fellon sores with hollow brimmes, deepe sores, and all vlcers in generall.

TEmper Nitre with Therebyntine and apply it thereto for salue, &c.

A lotion vnto the cankring, creeping and spredding of malitiouse vlcers and sores.

Take

TAke vinegre drawne through quicke lime afore vnquenched and therewith mixe Nitre, and so wash the sores.

An other lotion, and emplaister to fordoe deformities of scruvie & dry scalie eating lepres maung, tetters, ringewormes, itches, and deformed neiles.

DIssolue Nitre in stronge distilled vynegre, and therewith first rubbe the saide deformities, and then laie to them bruised rootes of sorell, or of Sorell du boys, or of Sowre-dockes, boyled in vinegre, or steeped and tempered rawe in vinegre.

An oyntment to heale the skinne broken out of putrified salt fleugme, be it one the face, or elsewhere on the rest of the bodie.

TEmper Nitre with old barowes greace, or else rather with oyle of roses, and waxe in forme of a lynement or smering & therewith anoint the places affected.

An other lotion for the Itche.

DIssolue Nitre and alume with distilled vinegre, or with water of Scabious, and therewith rubbe and washe the places affected.

A lotion or rubbing for Itche, Maunge and Scruvie leprees.

RUbbe the places with poulder of Nitre, mixed with dogges vrine when it may be come by, and it helpeth those effectes.

A liniment to fordoe freckells in the face, & other places of the skinne.

DIssolue Nitre with Galbanum, in strōg distilled vinegre or in iuyce of lymondes or sowre Orenges, and rubbe & smeere the

the places affected, and after it hath lyen on by night, washe it off euerie morning as is aforesaide.

A drinke for the Iaundyze

MIxe a spoonefull of Nitre ech morning with a draught of wine, and drinke it fasting.

A lynyment or lotion for the stryning of the Iaundize (after right cure) vsed inwardes

DIssolue Nitre in distilled vinegre, & with a sponge rub & scoure the skinne at night going to bedde, & eche morning wash it off, as aforesaide.

A liniment or lotion delicate to fordoe Morphewes, darke and white.

DIssolue Nitre with white wine (if not with distilled vinegre, or with iuyces of Lymondes, or of sowre Orenges) and therewith rubbe the places deformed, at going to bedde, and one the morning wash it of as aforesaide.

Likewise for the white morphewes.

MIxe Nitre with the iuyce of the herbe and rootes of that wilde kinde of Tiquorie, called Condrilla or Caudarilla, or Seralia, but with vs called Dent de Lion, or elle take honie with Troticke or paste of the same hearbe and rootes, and temper therewith distilled vinegree, or iuyce of Lymonds, or of sowre orenges, and rubbe the places so steyned, at going to bedde, and in the morning washe and skowre it of, as afore mentioned.

An other lotiõ or washing for the white Morphew.

TAke Nitre with creta cimolea (a chalke so named which you knowe) dissolue them in distilled vinegre, and rubbe them in the Sunne vpon the places affected.

For such as are discolored by the sickne called Atrophia, in that their nourishment is not naturally conuerted.

DIssolue Nitre in warme water, and vse it to baine them therewith, it is good for them.

To fordoe the rancke smell of the armeholes, and other the clensing partes of the body, and foldes of the skinne.

DIssolue Nitre in warme water, and with a sponge or lynnen cloath dipped therein, bath and skowre awaie the swet and rank humours and fumosities expulsed by nature through those loose clensing partes.

In generall.

TO bayne with warme water, with onely Nitre therein dissolued, or adding what other sortes of medicines simple or compounde, according the diuersitie of the cause: doth clense, and supple, and smoth, and beautifie the skinne. And healeth, the Itche, and Maunge, and skuruie or drie skalie Leprer. Reformeth colde and moyst distemperances, Hydropisyes, benommings and other diseases of the synewes motiue and sensitiue, caused through coldenes, slymines, clammines, congelation, clynging, cludderíng, stopping, stuffing, compression, distention, contraction, crampes or stitches, and slacknes or paralisie. Moreouer cureth streightnes of breath and weising in the wine pipes, catarres and distillations from the heade. Remedieth rawnes of the stomak passed or sobbed with fleugme. Redresseth the cold and ouermoist distemperance of the Liuer, Spleene, Kydneyes, Matrice, and Genitories, deuideth, vnstoppeth, and skowreth away, the slymie clinging and pasted chokeings and stuffinges in them; moderatlie heateth & comforteth them, & apteth the Matrice vnto conception.

An

An oyntment for the face, to make the skinne smooth, egall, slicke, and suppell, fordoing the duskenes of the skinne, and yelding the complexion cleare transparent.

TAke of seedes of psillium otherwise called Flewoyte, a dragme, oyle of Tartar three ounces, steepe them together three dayes in a glased vessell, then put the seedes with the oyle in a little long lynnen bagge bounde strong at the necke, and wring it downwardes betweene two stickes, and gather so the slime or muscilage that commeth through the lynnen, and mixe that slime with an ounce of oyle rosate, and therein dissolue Nitre and Salgemme, of eche a dragme, so enoynt the face therewith at night going to bed, and washe it of in the morning with rosewater or beane flowres water or broath of wheate branne and barlye meale decoct with Mallow rootes, setled and drawne cleere from the groundes by an hole perced aboue the groundes, or with such like.

An other oyntment to the same purpose & effecte.

TAke oyle of the marrowe of Hartes bones two ounces, oyle of the marrow of a gelded calfe two ounces, oyle of Gourde seedes one ounce, Uenice Therbyntine washed well and often in rosewater halfe an ounce, Goattes suet halfe an ounce, new waxe three dragmes, melte first the waxe in a double vessell as afore specified, then adde and melte therewith the Goates suet then adde and melte therewith ꝑ Therbyntine, then adde the saide oyles, and mixe and temper them well, then adde and temper therewith the poulders of Mastick and of burned Nitre, of eche two dragmes, and stirre and incorporate them well altogethrr, taking it from the fire, and still stirring them vntill they be colde, and with that oyntemente enoynte the face at night going to bedde, and in the morninge washe it of with water of wheate braune and Mallowes, as aforesaide.

To cherish the growing of the heares, and to cause them to become fayre and yellow naturally

TEmper Nitre and rawe stamped Luppines with warme water, and therewith ordinarilie washe the heares and rootes of them.

Likewise for the same.

TAke the fleugme water of Aqua-vitæ drawne of wine, and of it, with ashes of the woode and leaues of Iuie burned, make Lye, and with that Lye warmed, dissolue Nitre, and Labdanum, adding oyle of sweete Almondes, of the which mixture (daylie and often during lx. dayes, at eche time warmed) sponge and moysten the heares and the rootes of the heares, and it will yelde them faire and yellow naturally frō the rootes.

Likewise for the same.

TAke the barke or outwarde parte of cane rootes halfe an ounce, and Aphron Nitre, halfe an ounce, mixe them with pix Liquida (it is not Tarre: you coſen, doe know the right pix Liquida) and rubbe that lyniment on the place being often shauen.

An other for the same.

TAke Aphron Nitre, white pepper, Ginger, Moscærda, or Mouſdouong, Alectorium (of which I can well furnishe you) ashes of Goates houes, iuyce of Thapsia, and Mirra of eche a like deale, braye them well, and mixe and incorporate them with Goates gall, and vse it as aforesaide, washing it off with Lye of dulce and tender woode or with Nitre sope, which is made of egall partes of sweete sope and of Nitre dissolued and encorporated together.

For falling off, or pilling of the heares.

DIssolue Nitre with wine Malueſie, or Bastarde, or Muskadell, or like sweete wine, and therewith rubbe the

places

places pilde of haire, or which by the heate or itching are like to pill, cilling first those places lightly ouer with the point of a penne-knife, or skratching Skalpell, and after, rubbe and applye thereon, the rawe leaues of beetes, and the vse hereof will bring againe the heare to growe.

To fordoe vermine, Nittes, Skurffe, Dandruffe, Scales, mattring Skalles, and drie Skalles in the heade.

DIssolue Nitre, and terra Samia in oyle of Raddish seedes, and therewith rubbe the places affected.

Another for the same

TAke Nitre with meale of Luppines, or with hennes galle, or Partriche gall, or with stronger galle, also poulder of Staphisagre, and distilled vrine of a boye childe, mixe them and let them all season together: And therewith rubbe the rootes of the heares and places affected, and after, washe it off as aforesaide, it doth fordoe those affectes, and clenseth the heares and the rootes of them, and yelves them a cleere colour.

A medicine to skoure and heale the moysture and mattering skalles of the head.

DIssolue Nitre in white vinegre, or in a boy childes vrine distilled or vndistilled, or with iuyce of a Lymonde, & mixe therewith poulder of Olibanum (which is the masculine Frankencence (and rubbe it one the places affected.

Another for the same.

TAke tosted Nitre (which is the seconde way of preparinge afore spoken of) sprinckle it one the places affected, and and rubbe it with a red Onyon, or with Bulbus esculentus, cut ouerthwarte, &c.

An oyntment for the same.

TAke Aphoron Nitre, Frankencens, fine poulder of Leadeslage, vine buddinges, and Mirrhe, waie them well eche by themselues, and mixe them with vinegre and oyle of Mirtilles asmuch as sufficeth, so make an oyntment, and vse it to the places affected.

Likewise for the same.

TAke Nitre and Uitrioll of eche a dragme, dissolue them in oyle, and make an oyntment to be vsed for the like effect vpon the rootes of darke colored heares, but not vnto such as haue bright coloured heares.

Likewise.

TAke Aphron Nitre, Alume du plume, Staphisagre, Olibanum, Rocket seedes, Uittrioll, of eche a dragme, Sulphur viue bi. dragmes, Rue three croppes, waie them fine eche by themselues, and mixe them with vinegree and oyle of Bayeberies, or of Mirtilles, asmuch as sufficeth, and so make an oyntment, to vse vnto the rootes of darke coloured heares, but vnto bright coloured heares, leaue out the Uittrioll.

An oyntment for skalles on the heade and for dandruffe.

TAke Nitre meale of cicers, meale of Fenegreke, wheate branne, poulder of Mirtilles, and bruled mustard seedes, of eche two ounces, oyle Olive asmuch as sufficeth, vinegre and water, of eche a little, make an oyntement and enoynt the the heade, first shaued and washed and then rubbed drie with a roughe cloath.

A washing medicine for the same.

TAke Aphron Nitre, Uittrioll, of eche a like, dissolue them in warme wine, asmuch as sufficeth, and with a spong dipped

ped and wronge out, rubbe the rootes of the heares therewith (at the least once euerie wecke) if the heares be blacke.

But if the heares be yellow or bright, then vse this medicine.

TAke Nitre, and whyte Arguill (which as you knowe, is the harde effectes of Lyes cleauing to the sides and heades of white wine vesselles, or Rheynish wine fattes) poulder of a Pumice, and meale of Luppynes, of eche a like deale, boile them in white wine, and vse it with a sponge vnto the rootes of the heares, as afore saide,

An other oyntment to fordoe Vermine and Nittes in the heade, and other hearie places.

TAke poulders of Nitre, Staphisagre, and of rootes of white elleborus, of eche a like deale, boyle them in almuch oyle of Radish seedes as sufficeth, and in a bayne (after sweating and cleansing of the head or hearie partes affected) rubbe one that oyntment.

An other oyntment for the same.

TAke Nitre, and the red oxpyment called Sanderake eche a like deale, and of Staphisagre, almuch as of both the other, beate and sifte them fine, and temper them with oyle & vinegre almuch as sufficeth, and enointe the rootes of the heares as afore saide.

To cleane the teath.

TAke Nitre burned as afore said, vntill it become first black and lastlie white againe, and therewith rubbe the teeth. and it skowreth them and restoreth them their natiue colour.

For the tooth-ache.

BOyle Nitre with wine and pepper, and holde that licour in the mouth.

Likewise.

Boyle Nitre and bruſed Leeke ſeede with vinegre or with wine, and holde that licoure in the mouth.

Or elſe.

Boyle Nitre & bruſed Leekes, with vinegre, or with wine and hold that licour in the mouth.

For an olde ache in the head.

TAk Nitre, with the iuyce of the leaues and berles of Iuie and ſnuffe that mixture into the noſethrilles, ann then ſhed vpon the head vinegre beateu with oyle Roſate or elſe Oxirhodinum.

Or elſe rather.

Temper Nitre with iuyce of Iuye leaues and berpes and with honie and with oyle of Camomill, and ſnuffe vp that mixture into the noſethrilles.

And therewith alſo for the ſame.

Enoint the heade with the ſaide mixture, tempered with vinegree Roſate, and with oyles of Camomell & of Violetts, and oyle Roſate Omphacyne, which is (as you knowe) oyle of vnripe Olives made with buddes of vnripe Roſes.

For the eares akeing, & mattering, or hauing noiſe or hiſsing or ringing in them. And alſo to cleanſe the eares from ſtopping or ſtuffing, and to amende the hearing.

PUt (warmed) into the eares, the ſaide mixture of Nitre, with the iuyce of the leaues and berries of Iuie, and with the oyles of bitter Almondes, of Cammomill, of Violettes & of complet Roſes.

Or elſe.

Mixe and diſſolue Nitre with warmed wine, or with Aquavitæ, or with oyle of bitter Almondes, or with diſtilled vinegre,

gre, or (onely) with warme water and iuyce of Onyons, and so droppe it warme into the eares.

Or for the same.

Blow the drie poulder of Nitre with a quill into the eares.

For bleared eyes, pynne, webbe, and skarres in the eyes, or for white, growen betweene the circle and blacke of the eye, and to remoue dymnes of of the eyes, and to sharpen the eye sight.

TEmper Nitre with honie of Roses, or else boyle Nitre in wine Maluesie vnto the halfe, and delaye it with Rosewater, or with Endiue water, or else boyle Nitre with figges, in barely water, and put any of those mixtures (colde) into the corners of the eyes.

For bleeding at the nose.

MIxe Nitre with Silphium or Assa fetida, and hold it to the nose to smell thereto.

Or else.

Receiue into the nose, the fieme or vapour of Nitre boyled in water.

To helpe the deformities of the neyles.

DIssolue Nitre with wine Maluesie, in the cuppe or barke of pomegranate, set vpon hot ashes, and dip clowtes therein, and apply them vpon the deformed neyles.

For cure of the Squinancie or strangles.

BOyle Nitre with Violet flowers, and temper that broath with honie of Violets, and therewith mixe pix liquida or Cedria, and gargle that mixture, and by little and little, let downe some of it.

Or else.

Dissolue Nitre with broath of Hyssope and figges, and gar-

gle it, and by little and little let it downe.

Or else.

Gargle the decoction of Nitre, Violet flowers, Lupynes, & poulder of yong Swallowes, and of their nests: myxed with honie of Violets.

Also.

Applie outwardes: honie of violets, and oyle of Violettes, tempered with Nitre, and with meale of Lupynes & poulder of yonge Swallowes, & of their nestes, and Album græcum, or rather excrementum pueri infantis.

Or else.

Myxe Nitre with decoction of wormewood, adding oyles of Violets, and of wormewood, with honie of Violettes: and meale of Lupynes, poulder of yong Swallowes, or of Swallowes nestes: Album græcum & excrementum pueri infantis, and emplaister this compounde outwardes.

For paralisie of the tongue

BDyle Nitre with Sage, and posca: or water, vinegre & salte, and put that mixture to leuen with doa, and so make that doa in bread, and let the patient vse to eate that breade.

For the which also of auncient time: Nitre, hath bene vsed aswell in the leauening and seasoning of breade: as also in the mosting or smering ouer of the breade, when they did put their breade into the Ouen, for to cause the breade baked, to haue a fayre shyning glosse.

For other paralisies and slacknes of the Sinewes, and for priuation of the facultie of sense or moouing of the sinewes, and for stitches, crampes, conuulsions, distortiõs, wrying, shrinking, crowching or tying forwardes, backewardes, or sidewardes, of the sinewes, and for all such like

greefes or defaultes of the ſinewes and faculties motiue and ſenſitiue.

VSe bathes or fomentations, with ſponges or clowtes dipped in the boyling of Nitre in ſalt water, or of Nitre boyled with water and ſalte, together with Sage, Lauander, Roſemarie, Thyme, Hyſope, Organie, Penyriall, Sauerie, elder leaues, Danewort, myntes, Horehounde, deade nettels, enula campana rootes, Oken polipodie rootes, or ſuch like, enointing the affected places (firſt and laſt) with the Oyle of calloſie, or elſe with the Oyles of Spyke, and of Maſticke tempered with the poulder of Calloſie.

Or (in cauſes requiring leſſe vehemence) as wrenches of ſinewes, or greefe and anguiſh of ſinewes:

Temper Nitre with barrowes greace, or with oile of roſes, and waxe, and ſo enointe the places greued.

A bathe to the feete, verie wholſome for the feete, the ſinewes, the head, and all the bodie to be vſed once or twiſe weekelie, in the morning or euening, before meate, and at going to ſleepe.

TAke red Roſe leaues, freſh or drie, Camomell, Betonie, Organie, Sage, Rue and Aſarum of eche a handefull, put them into a lynnen bagge, and knit the bagge, and ſo boile the ſame in water ſufficientlie. Then caſt thereto two pounde and an halfe of Nitre, and a fiſtfull of bay ſalt (while the bath is yet on the fire) and when they are diſſolued in the bath: ble that bathe, ſufficientlie warme or temperately hot, it may ſerue a long while (to be heate and bathed in) from time to time, vntill the licour be conſumed.

For ſtifenes of greefe of the Rompe, the hippe-ache, or Sciatica, or ſuch like.

GIue glifters of Nitre with broath of Danewort, or of barke of the rootes of elder, and of rootes of enula cãpana.

To eaſe the hurte of other partes of the bodie.

ENoynte the ioynctes or other partes grieued afore a fire or in the hoat Sunne, with flower of Nitre, and fine poulder of hyſſope, boyled together in the water of the Smythes trough, which hath gotten qualitie and taſte of quenching of fiered yron, and participation of the Seacoale nature.

Or elſe for the ſame.

Boyle Nitre with Rue rootes, or with Turneps together with leaues and barke of Elder, or Danewort, and therewith bath or vſe fomentation vnto the grieued partes afore a fire, or in the hoat Sunne.

For vncumbring and clenſing of the Lunges, and breaſtbulke, and for remedie of hoarſenes, olde coughe, and toughe coughe, ſtright breath, weiſing in the windepipes, heauines of the breaſte, and ſi hing.

BOyle Nitre with Hyſope and figges, and with that broathe, mixe the iuyce of rawe Colewortes, and licke downe that mixture with a ſpone, by little and little, holding open the mouth, and leaning backewardes, that the drawing in of the breath may let down the licour by little and little into the weaſand pype and Lunges.

Or elſe for the ſame.

Take Nitre with iuyce of rawe Colewortes, and Hyſope, and vſe it as afore ſaide.

Or elſe for the ſame.

Diſſolue Nitre with poſca, or with water and vinegre, wherein the hearbe Meliſſa (otherwiſe called Apiaſtrum, commonlie called balme) in good quantitie hath bene ſtamped, and boyled with figges, and with great raiſings cleanſed from the kernelles, and the licour of that broath wrong out, to be vſed as afore ſaide.

Or

Or elſe for the ſame.

Diſſolue Nitre with honie of Violets, and broath of balme leaues, and vſe it as aforeſaide.

Or elſe for the ſame.

Diſſolue Nitre with iuyces of Hyſope and horehound, and with broath of honie, or of figges, or of great raiſons cleanſed from their kernelles, or of iuyce of Liquorice, and vſe it as aforeſaide.

Or elſe for more effect to the ſame.

Take Aphron Nitre (which is the fine meale or flowre of Nitre) and Galbanum, and Therbyntyne of eche a like deale, mixe and forme them in pilles, the muchenes of a beane, and hold one of thoſe pilles longe vnder the tongue, to mixe thereof aſmuch as may be with the moyſture of the mouth to deſcende downe the weyſande pype as the breath is drawne in the mouth being hold open and leaning backwarde as aforeſaide, and laſtlie ſwallow it, and ſo renewe the like at ſundrie times or (if it be lothſome) lappe it in pappe of a roſted apple buttered with ſuger, and ſwallow it downe, and ſo continew that remeadie to forbee the olde coughe, weeſing in the windpipes, ſtraitnes of breath, and heauines of the breaſt, and ſighing.

Likewiſe for heauines of the Lunges and cauſe of ſighing.

DRinke downe (by little and little) &c. Nitre diſſolued with ptizane.

Alſo for the ſame.

The vſe of Nitre bayne as aforeſaide is good for thoſe affectes.

To clẽſe the ſtomak of filth & encõbrãce of ſlymy and clinging humours, & lothſomenes & to remedie ſuffocation, windynes, heauing, gnawing & torment

torment, of the ſtomake, vnderbulke, and bowells.

A Dragme of Nitre with honie of Roſes, or with common honie, taken by the mouth, ſkowreth downe the feeces and filth of the ſtomake, and ſo rideth the fulſomenes and lothſomenes, and reſtoreth appetite.

For the ſame.

Mixe Nitre with Oximel de radicibus, and bruſed pepper, and bruſed Anyſeſeedes, or Dilleſeedes, and poulder of red meadowe Mintes, and poulder of Yreos roote, or of galanga roote, compound them in forme of an electuarie, and eate thereof.

Alſo for the ſame.

Make lyniment or fomentation of the region of the ſtomak with Nitre and iuyce, or decoction of Mintes, Rue, Dill, Cummine, complete Roſes, bitter Almondes, and Rue.

For ſuffocation or ſtrangulation by ſuch ſtiemyng clinging matter in the ſtomak or in the veynes or cõduittes betweene it & the Liuer or Splene.

DRinke Nitre with Lazer or Aſſa dulcis, or onely with poſca, or warme water, vinegre and ſalt, or elſe in warmed wine.

Or elſe for the ſame.

Make Almond milke of ſweete Almondes and bitter Almondes, brayed and drawne with the decoction of Nitre, Camomel Flowers, Violets, Borage, Bugloſſe, Balme-hearbe red Mintes of the meadow, Roſeleaues, and Lazer or Aſſa dulcis, and drinke thereof.

Alſo for the ſame.

In the ſame Almonde milke and decoction warmed, dippe ſponges and make warme bathing or fomentation on the region of the Stomake, Liuer, and Spleene, enointed firſt with the oyles of bitter Almondes, Camomell, Dill, Rue, and complete Roſes.

Like-

Likewise for the same.

Drinke a dragme of Nitre, with broath of Rue, red Roses and Dill or Coumin, or with the oyles aforesaide, receiue it downe.

Likewise for the torment of the stomak and bowels.

DRinke Nitre, and Balme-hearbe, with warmed wine, or with Ale warmed, or with warme water.

To vnstoppe and discombre the Liuer, from the distentions, stuffinges and chokings of the conduites thereof.

DRinke Nitre with broath of Cicorie, Endiue, Dent de Lion, adding in the broathe a few red Rose leaues, and on the region of the Liuer, emplaister or enoynt Nitre with oile of bitter Almonds, oyle Rosate, and vinegre of Roses wherein fiered steele is often quenched.

Also giue glisters with the saide decoctions, and with the oyles of bitter Almondes, and of Cammomell, and with honie of Roses: dissoluing therein an ounce of Nitre at a time.

To asswage and ease the swelling or stuffing and hardenes of the Spleene.

TAke Nitre, and Caper rootes, and Fenegreke seedes brayed, with also a curtesie of red rose leaues, fresh or dry. Boyle them in water, adding Rose-vinegre, or simple vinegre wherein fiered steele hath bene quenched, & with sponges or peeces of soft frise, make outward bathing and suppling on the region of the Spleene, enointed first with oyles of Cammomell, of Dill, of complete Roses, of vnripe Roses, of swecte Almondes, of bitter Almondes, & of Capers, or proceede by degrees & turnes of mollifying, rarifying, and resoluing, alwayes mixing the comfortatiues.

Also.

Make an Drimell or syrupe of honie Rosate, or of common

honie well clarifyed, adding vinegre Rosate or simple vinegre wherein fiered steele is often quenched as aforesaide: boiling therin Nitre, Fenegreeke seedes hyssed, red Rose leaues, & Capers both fruit and barkes of the rootes, & receiue downe by the mouth a sponefull euerie morning fasting.

Also.

Eate downe Nitre with figges and Capers.

Or else.

Eate Nitre with figges and Hysope.

And also for the same.

Make emplaister to the region of the Splene of stamped figges mixed with Nitre, Hysope, and fruites and rootes of Capers, tempred with vinegre Rosate, and vinegre of Elders, or with symple vinegre, wherein fiered steele hath bene often quenched, and much the better if the place be first as aforesaide, softened by degrees with hennes greace, or capons greace, oyle of Cammomell, oyle Rosate complete, oyle of sweete Almondes, oyle of Dill, oyle of bitter Almondes, oyle of rootes of Capers, ech after other, alwayes mixing steeled vinegre, and some oyle of vnripe Roses, or else some decoction of Willowe barkes.

Likewise.

Enoynte the region of the Spleene with Nitre, meale of Fenugreke seedes, or of Luppines, steeled vinegre, oyles Rosate Omphacine, and also complet, oyles of sweete Almonds and of bitter Almondes, oyles of Cammomell, of Dill, of Elders, and of rootes of Capers, or such of them, as (for the purpose) shalbe conuenient.

For gurgling, heauing, and torment of the vnderbulke.

Make warme bathing or fomentation vnder the bulke of the chest and shorte ribbes, with sponges or with softe fryze

fryze cloutes, dipped (one after an other) in white wine boyled with Nitre, Cammomell flowers, Marigolde flowers, Borage, Bugloſſe, Languedebeof, Hyſope, Dill, Mugwort, Balme-hearbe, and a curteſie of ſaffron, annointing firſt the place with oyles of Violets, of Cãmomell, of ſweet Almonds, of bitter Almondes, and of Roſes complete.

Alſo for the ſame.

It auaileth to drinke that decoction, with Nitre, and poulder of Amber and Lazer, or Aſſa dulcis.

Or elſe for the ſame.

To drinke Nitre it ſelfe with ſugar, or without ſugar were it but with warme drinke, or warme whaye, or warme water.

For the Illiacke paſſion, (to wit, the torment of the vpper bowels and gutts.)

DRinke the like decortion of Nitre, Cammomell flowers, Marigolde flowers, Hyſope, Baſill minte, balme-hearbe, poulder of Yreos roote, and Galanga roote, and Lazer or Aſſa dulcis, adding bruſed ſeedes of Parſlie, Fenill, Anyſe, Dill, and Cummin, and that broath to be made in Almonde milke drawne of ſweete Almondes and of bitter Almondes.

Alſo for the ſame.

Make outwardlie on the greeued place, a hoat bathing or fomentation with the ſame decoction: firſt enoynting on the place grieued the oyles of Cammomell, Dill, and of bitter Almondes.

Likewiſe for the ſame.

Drinke a dragme of Nitre in warmed wine, or in other warmed licour, conuenient, with Rue croppes, or with Dill, braunches and ſeedes, or with Cummin ſeedes, or Anyſe ſeedes.

For the Collicke paſſion.

VSe the ſelfe ſame remedies inwardes by the mouth: and outwardes by hot bathing and fomentation and enointings

as afore described, for the Ilyake passion.

Moreouer.

Giue glisters of Nitre with the like decoctions and oyles.

For the Hydropsie.

Eate Nitre with figges and Hyssope.

Also.

Stampe Nitre with figges and Hyssope, and applie it plaisterwise one the bellie and other partes affected.

Or else.

Temper Nitre, with garden Snayles stamped shelles and all, such as feede on hearbes hot and drie, as Rosmarie, Sage, Lauender, Thyme, Organie, Basill, Sauerie, Pennyroiall, Towne-cresses, Hyssope, Parcelie, and such like. Adding fine poulders of Baye-salte, Cloues, Mace, Nutmegges, Mastik & Frankencens, tempering them all with vinigre Rosate quenched with steele, and apply it plaisterwise, and so let it remaine on, vntill of it selfe it fall of, and then renewe it (from time to time) vntill the swelling be abated, & the distemperance be amended.

Also for the same.

Giue Nitre in glister with decoction of Danewoyte (hearbe and rootes) or of the berries, leaues, and inner rinds of bankes of the bowes and rootes of Elder tree, and rootes of gladen Acorns, or Pyeos, therewith boyled, or poulder of either of those rootes thereinto cast.

Also for the same.

Use Nitre baynes made either with the saide decoction, or else at least with salt-water.

For Nitre bayne by qualitie and vertue doth (more effectually then salt baine) remedie all colde and moyste distemperances, and by the subtilitie and penetration vnto to the depth,

doth

doth carrie therewith the vertue of heating, deuiding, vnstopping, euapozating, and dzying, aswell as of dispersing, wasting, extenuating, mundification, abstersion, skowring, and auoyding. Wherefoze, Nitre serueth properlie against hydzopsies, Goutes, dolowzs of sinewes, Paralysies, Crãpes, Stitches, shozte breath, Cough, thicknes of the eyesight, sounding & wattring of the eares, Scabbes, Maunge, &c.

For to asswage and abate inflamation, swelling and anguish of the Coddes.

§ Tampe Nitre with great Raysons (be they vnkerncled, oz not) brayed verie small and softe, and mixing therewith a competent pozcion of oyles of Violets and Roses, warme it, and applie it in cataplasme oz pultes.

To dispare or swage other swellings, inflammations and inflations, or heauings outward.

¶ Temper Nitre with the pulpe of Casia fistularis, honie of Violets, honie of Roses, oyle of Violets, oyle of Roses complete, oyle of Cammomell, and iuyces of Cammomell, Marigoldes, and Elders.

And if the euill be inwardes.

Dzinke Nitre with bzoathe of Cammomell flowers, Marigolde-flowers and Violet-flowers, adding also Roses, oz Cicozie, oz Dent de lion, &c.

For Carnosities or knobbes growing in the conduit of the yearde, or in the purse of the coddes.

¶ Temper Nitre with ashes of vine twigges, and steeled vinegre, and applye it on the outside, and vsing that medicine, it shall disperse and consume those carnosities and knobbes.

To breake the ſtone in the kidneyes and bladder, & and to vnſtoppe and diſcharge the ſtuffing and chokeing there, and in the conduits of the vrine: And for mundifying of ſoores in the kydneyes and bladder.

TAke by mouth Nitre with Oximell of Raddiſh, adding honie of Roſes, or poulder of red Roſes.

Or elſe in like ſort.

Swallowe downe Nitre with pulpe of Caſsia fiſtularis drawne with the broth of a Coney farced with Parſley and Cammomell.

Or elſe in like ſorte.

Swallowe downe Nitre and poulder of Rhwebarbe, tempred with conſerue of Roſes, & with Caſsia fiſtularis drawne as aforeſaide.

And moreouer alſo for the ſame.

Enoynte the region of the Kidneyes and downe from the Reynes aloft by the Hippes and Flankes, as the conduits of the vrine doe deſcende, and betweene the coddes and the fundamente, with the fat of Conyes kydneyes, mixed with Nitre.

And alſo.

Put into the fundament a Suppoſitorie made with Nitre, fat of Coneyes kydneyes, and iuyces of Cammomell and of Parſlye hardened with ſufficient quantity of honie of Violets and of Roſes and tallowe of a bucke Goate molten together.

And alſo.

Giue gliſters in ſufficient quantitie of Nitre, with Caſsia fiſtularis and broathe of a Coney farced with Cammomell, Maidenhaire, Parſley, Raddiſh, Sampier, Saxifrage, and ſuch like, adding honie of Roſes and of Violets and oyle of Cammomell.

For to ſupple and diſſolue the Cake or hardenes growen in the ſubſtance of the Matrice, and for remedie of ſuffocatiõ & tortures of the Matrice, and to open and clenſe and apte the Matrice vnto conception, and to procure it the benefit of the ordinarie and monthlie auoidance.

GIue Nitre with iuyces of Cammomell, herbe Mercurial, Hyſope, and Mugwoꝛte to dꝛinke.

Or elſe.

Farce thoſe hearbes with Nitre in the bodie of an old Cock weried with longe chaſing, and vnfeathered while it is aliue: Then ſtrangled with ſalte, and caſt foꝛthwith into colde water: and then to be farced with Nitre, and thoſe hearbes: and boyled accoꝛding to Arte, and giue the bꝛoath of that Cocke to dꝛinke.

Or elſe.

Boyle Nitre with thoſe hearbes, in wine and giue it to dꝛinke.

Or elſe.

Diſſolue Nitre, with Lazer oꝛ Aſſa dulcis, oꝛ Belzoyne, by ſteeping and warming them in wine, and giue it to dꝛinke.

Or elſe to the poorer ſort.

Giue dꝛinke of Nitre it ſelfe with thoſe hearbes, boylled in warme water, oꝛ with warme water mixed with a curteſie of vinegre, oꝛ with wine.

Likewiſe.

Vſe iniections, oꝛ peſſaries, into the matrice, of Nitre mixed and diſſolued with iuyces of Hyſope, Marigolues, Cammomell, Mugwoꝛte, Motherwoꝛte, herbe Mercuriall, and oIye of bitter Almondes, and therein diſſoluing Galbanum, Aſſa dulcis oꝛ Belzoynie, and a curteſie of Ambregriſe, oꝛ Aliapta muſcata.

And likewise outwardlie.

Applie emplaisters, or vse enoyntmentes, or bathinges of Nitre with the like herbes, decoctions, gummes, and oyles.

To smooth the wrinckles of womens bellies after childing.

BRay Nitre with the leaues of Adianthose or black maidenhaire in a stone morter, with a boy childes vrine, and therwith let them vse to bath their bellyes.

To bring the blood, and plummes and supplenes vnto anie member decaied and withered by not receiueing nutriment.

TAke blacke pitche, waxe, and Colophonie of eche three ounces, melt them, and put thereunto an ounce of Tharre, an ounce & an halfe of Nitre, three dragmes of Sulphure viu, poulders of pepper, and of Aberge, of eth two dragmes, Belzoynie two dragmes, Euphorbium or Catharides halfe a dragme, Labdanum an ounce, oyle of sweete Almondes and oyle Cipzine, of eche an ounce, mixe them according to Arte, and make a liquide sticking plaister spreade on leather to put on, and to plucke of againe often times, after it cleueth.

To procure sweating.

DRinke Nitre with iuyces of Cammomell and Marigoldes in warme posset-ale.

Also.

Enointe the skinne with Nitre, mixte with oyles of Cammomell and of bitter Almondes, and lye downe lapped warme with cloathes.

To stay immoderate sweating.

DIssolue and temper Nitre with poulder of vie Iris, in oyle Rosate Omphacine, adding vinegre Rosate, or other vinegree steeled, and anoynt the place to much sweating.

To supple and nimble the stifenes and wearines of the lymmes.

Enoynte the lymmes with Nitre dissolued with oyle, and a fourth part of vinegre.

Or rather

Enoynte the lymmes with Nitre onelie dissolued with oyle of Cammomell.

Or else.

With a sponge dipped in warme broathe of Cammomell, and Marigold flowers, or Elder leaues, boyled in wine or Ale and Nitre therein dissolued: adding hennes greace, or capons greace, or oyle: supple and bath the lymmes afore a fire, or in the warmth of the Sunne.

To preuent the grudg or cold shrugge or shakeing, inuading with the accesse of fits of Feuers.

Dissolue and temper Nitre with oyle oliue, or rather with oyle of bitter Almondes, or of Dill, or of Raddish seedes, or of Nettleseedes, or of Castorie, or of Spyke, or of Nardus, and annointe the chine of the backe, from the nape of the necke downe beneath the shoulder blades, and also the wrestes of the handes and the feete.

Or else.

Afore the accesse of the fit, procure to sweate, according the instructions aforelaide.

To laxe and scoure the bowells.

Drinke Nitre with poulder of Pyeos in iuyce of rawe colewortes.

Or else.

Drink Nitre onely with iuce of rawe colewortes.

Or else.

Drink Nitre with the first broath of colewortes not ouerboyled.

Or elſe.

Drinke downe a large ſponefull of poulder of Nitre with warme water or with warme whey, or or with white wine, or with broath of great Rayſons, or with warme water and honie.

Moreouer.

Nitre alſo ſo taken clenſeth the ſtomacke and bowels of the clinging ſlymie filth and dirte cleuing thereunto, and riddeth the choking of the conduites and veynes, and warmeth and reſtoreth them their natural operation, euaporing the ſweltring heate and reſtoring naturall heate.

For burning or ſcalding.

TAke Nitre toſted (as aforeſaid) vntill it become black, bray it then into fine poulder, and ſprinckle it thick on the place burned or ſckalded.

For the byting of a madde dogge, and for other venemous byting or ſtinging.

TEmper and melt Nitre with Roſon, or with Therebyntine adding vinegre, and gooſegreace, or ſwynes greace, and applye that treate for the beginning of the cure. And in the cõtinuance of ỹ cure, driane vinegre through vnquenched lime, and temper that vinegre with Nitre, and with that lotion, ſoake and bath the wounde, and mixe alſo that lotion with the aforeſayde treate to be ſtill vſed to the cure.

Likewiſe.

Rube the wounde with Nitre tempered with dogges vrine, when it can be had.

Againſt the venome of Henbane receiued into the bodie.

DRinke Nitre diſſolued with warme water, & with the finger, or with a feather procure to vomite it vp, and ſo do ſeuerall ſonces againe and againe.

Againſt

Against the estonyeng venome of Mandragora taken into the bodie.

FIrst procure often vomite by the meanes aforesaide, with Nitre, and warme water, and honie. Then drinke largely of the bruage of stamped wormewood dryll'd in Muscadell or Vallard or Malvesie, or other lusty sweete wine; and the iuyce or broth of the saide herbe well streyned and wronge into the wine: and therein a good portion of Nitre dissolued, and the patientes heade to be sponged with vinegre and oyle Rosate: adding smelles hot and sharpe and Ranke to the nose, and causing the patient to exercise the bodie mightelie, and then also procure sweating as aforesaide.

Against the venome and strangling of vnkinde Mushroomes eaten.

STampe and strayne the leaues and stalkes of Melissa otherwise called Apiastrum or balme herbe, with Pulca, or with vinegre water and salte, and in streyned licour, dissolue Nitre, and drinke it warme in large quantitie, and procure as aforesaide to yeelde it vp by vomit, and so do often againe & againe.

Against the venome, and vlceration, and strangulation and torminte caused by receiuing inwardes, of Bupresses, or of other Cantharides.

DRinke Nitre with Lazer or Assa dulcis or Belzoyne, dissolued & tãpred with warme water & honie, or with sweete wine, or with other wine and honie, warmed, and (as aforesaide) yeelde it vp by vomite; and so renewe it often, and then take troches of Alkakengie with Almonde milke, or else take Almonde milke drawen with broth of Lettice, Violettes, Borage, Pettimorell, Purcelane, Plantaine, great Reylons, the colde seedes, and such like.

Against

Against the venom, and strangulation of Bulles bloode taken inwardes.

DRinke Nitre with Pusca and salte, or with water and vinegre and salte, or with Aleger and salt warmed, and (after a while, by procurement as aforesaid, yelde it vp by vomite, and renewe that remedie againe and againe.

An vniuersall for all strangulations, or suffocations, stuffinges, or obstructions, by anie of those causes, or cluddred blood, or, humors, grosse clamie, slimie, clinging, pasted, or cleuing.

NItre, is an effectuall remedie for all those, aswell by taking it inwardes, as also to be bathed, enointed, emplaistred outwardes. For (as aforesaid) it percth, deuideth dissolueth, subtileth, looseth, suppleth, rarifieth, enlargeth, extenuateth, vnstoppeth, openeth, maketh waie, euaporeth, auoideth, skowreth, and cleenseth, all such collections, congeallings, cludgevinges, suffocations, and encombrances, without anie extoriation or feltring, which Nitre of it selfe, doth rather heale, then empaire.

And yet moreouer besides the foresaide vses of Nitre *in medicine, it is serviceable vnto other vses. As.*

For soldring of golde, siluer, or copper, and to yeeld fayre colour vnto golde vnfine.

BRaie or rather fret Nitre, and some Alume de plume, with boy chides wyne, in a morter of pure red copper, with a pestell also of pure red copper, setting the morter ouer hot ashes, or ouer hot sande, or in the hot Sunne, vntill the mixture (togethers with the timell or stirring of the copper) becomme (at the last) thicke & almost dry, then with a thinne chippe (or an other fit instrument) take it out of the morter, and also from the pestell, and drie it in the Sunne, on a gla-

se

sed earthen dish, and so reserue it to be made into fine pouldor, to the like vse as goldesmythes and coppersmythes doe newe occupie Boyrace, and it yeeldes fayre colour vnto the mettall, by waie of cementing.

For spongeing or skouring of greace, or of filthie spottes or foyle out of silke or lynnen or bombazine, or wollen or leather.

SPonge with the foresaide Trocisks of Nitre and Soape dissolued, and vsed hot with a yong boye childes vrine distilled or vndistilled, or with vinegre distilled, or white vinegre vndistilled, (or more specially) with iuyce of Lymondes, or of verie soure Orenges, repeating the doing thereof sundry times if it so needeth.

For skowring and whytting of lynnen cloth, or lynnen yirne.

DIssolue Nitre in sharpe Lie made reasonable hot, & therein steepe and washe the lynnen cloath or yearne, sundrie times, and lastlie rinse it out (as often as needeth in warme water, and spread and white it in the ayre and Sunne, according the ordinarie.

For skowring of woll, or of woollen cloath, or of woollen yearne, from the foyle, greace and fatnes therein: whereby to make it apt to receiue and reteine Die: and moreouer to yeelde it soft and supple.

VSe Nitre in the same maner, first with Lie (reasonably hot not verie hot) and lastlie vse onely Nitre with warme water, and it so effectually suppleth, & softeneth, and rarifieth the wolle, and showeth out the greacefines and oylynes of the wolle: As (in deede the helpe of wine stone named Argulle to fret and vyte out the greacefines or fatnes of the wolle) as

yet the helpe of Alume, or of copporas (to gumme the woolle, and to cause it to receiue, or to sooke in and receiue the die) shal be founde not onely superfluous, but also rather harmefull, to the cloathes softnes and suppleues and fineues thereof, in that euerie of them, doe yeelde the woolle harde, stubborne, stiffe, rough, & brittle: So as of auncient time (while Nitre was to be had pleniteouslie and of price not excessiue to much a-boue the others) Nitre was vsed to that purpose, especiallie, for the most precious cloathes and colours.

For to skowre & supple Buffe-leather, Shamois leather, and such like skinnes, to make them to become cleane, drie, supple and soft.

NItre (vsed first with warme Lie, dulce, and not ouer sharpe, and then Nitre eftesones with warme water) doth that busines so well, as none better.

For to taw and make furres, supple and soft.

WAshe them in warme water with Nitre sope (afore described) so they shall become so softe and perfectlie supple: So (dying them at the fire, or neuer so manie times after wet and dryed) they shall not be hard nor stiffe.

THus haue I exceeded the measure of a letter, while I followe to recite vnto you the so manifolde and commodious vses of *Nitre*, which thing it selfe (being found againe, and nowe knowne to be had) will (I assure you) be gratefully accepted of: and more sufficientlie recommended to the publike vse and vtilitie, by the learned Phisitions and experimentors.

Wherefore I thus commit you to God from Lambay, &c.

Your verie friende and louing cosine.

TH. CH.